

## NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

### FACT SHEET (pursuant to NAC 445A.236)

#### **Permittee Name:**

U.S.D.D., Department of the Army  
1 South Maine Avenue  
Hawthorne, Nevada 89415

#### **Permit Number:**

NEV2004524

#### **Location:**

The Hawthorne Army Depot (HWAD) Water Treatment Plant is located on the HWAD, approximately one half mile below (east) of the Black Beauty Reservoir in Hawthorne, Mineral County, Nevada in Section 13, T. 8N., R. 29E. MDB&M. The North pond Latitude is 38° 32' 45"N.; Longitude is 118° 41' 17"W. and the South pond Latitude is 38° 32' 44"N.; Longitude is 118° 41' 18"W.

#### **General**

The Permittee proposes to operate a water treatment system which will be supplied with raw surface water from Black Beauty Reservoir to a U.S. Filter water treatment system utilizing an adsorption clarifier and mixed media filtration to meet State and Federal requirements for protection against *Giardia cysts* and *Cryptosporidium oocysts*. Chlorine gas disinfected product water from the filtration plant will be pumped into a 350,000 gallon storage tank for distribution and use at HWAD. System backwash water is pumped to a distribution box which directs flows to either of two infiltration basins for disposal. The Permittee is required to monitor the discharge (flow) to the infiltration basins.

**FLOW:** The system will backwash (discharge) approximately two times a day from the adsorption clarifier and approximately once every 36 hours from the mixed media filter, depending on water use. The maximum design flow of the system is 0.0495 MGD, allowing for facility expansion if the HWAD expands water service.

#### **Receiving water Characteristics**

The receiving waters are the groundwater of the State of Nevada. Depth to groundwater from the bottom of the infiltration basins is approximately 350 feet or greater, and is potable. No adverse effects are expected as a result of this discharge on groundwaters of the State, due to the high water quality and depth to groundwater.

### **Monitoring:**

Number of Backwash Cycles/month:	Monitor and Report	Continuous	Record
Total Flow: (gallons)	0.0495 MGD	Monthly	Calculate <sup>1</sup>

- 1.) The total flow in gallons per month shall be calculated by multiplying the number of backwash cycles combined, to be recorded in a log, by the calculated backwash flow (gallons) per cycle. This information shall be reported quarterly, as required by the permit.

### **Procedures for Public Comment**

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Mineral County Independent** and the **Reno Gazette Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice, by November 17, 2005. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

### **Proposed Determination**

The Division has made the tentative determination to issue the proposed permit for a five (5) year period.

### **Schedule of Compliance:**

The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

- a. The Permittee shall keep a log of the number of daily backwash cycles, and of flow discharged to the infiltration basins in accordance with the permit requirements in Part I.A.1.

- b. A brief Operations and Maintenance Manual (O & M) for the backwash discharge management, and system components management is required to be submitted to NDEP by July 30, 2006. The document shall be prepared by the Certified Water Treatment Plant Operator for the facility, and reviewed by the Mineral County Public Works Department prior to submission to NDEP for review and approval.

#### **Rationale for Permit Requirements**

Monitoring is required to monitor the quantity of water discharged to the infiltration basins for percolation, and the number of complete backwash cycles, which contribute to that discharge of water.